

Model name:

**RBC-AMS54E-ES**

**RBC-AMS54E-EN**



- Read this manual before using the RBC-AMS54E-ES, RBC-AMS54E-EN remote controller.
- Refer to the Owner's Manual supplied with the indoor unit for any instructions other than operations of the remote controller.

# Contents

1	Precautions for Safety.....	2
2	Before Use.....	3
3	Part Names and Functions.....	4
4	Operation.....	7
	Running operation.....	7
	Changing the fan speed.....	7
	Changing the temperature.....	8
	Monitor screen.....	9
	Menu operation.....	10
5	Menu items.....	11
	1.Wind Direction.....	13
	2.Individual louver.....	15
	3.Louver setting.....	17
	4.Off reminder timer.....	19
	5.Schedule timer.....	21
	6.Night operation.....	25
	7.Filter sign reset.....	26
	9.Energy saving.....	28
	10.Initial setting.....	34
	11.Ventilation.....	39
	12.Soft cooling setting.....	40
	14.Information.....	41
6	Maintenance.....	43
7	Troubleshooting.....	44

# 1 Precautions for Safety

- Read these "Precautions for Safety" carefully before using.
- The precautions described below include important items regarding safety. Observe them without fail. Understand the following details (indications and symbols) before reading the body text, and follow the instructions.
- Keep this Manual at accessible place for future reference.

Indication	Meaning of Indication
 <b>WARNING</b>	Text set off in this manner indicates that failure to adhere to the directions in the warning could result in serious bodily harm (*1) or loss of life if the product is handled improperly.
 <b>CAUTION</b>	Text set off in this manner indicates that failure to adhere to the directions in the caution could result in minor bodily injury (*2) or damage (*3) to property if the product is handled improperly.

- \*1: Serious bodily harm indicates loss of eyesight, injury, burns, electric shock, bone fracture, poisoning, and other injuries which leave aftereffect and require hospitalization or long-term treatment as an outpatient.
- \*2: Bodily injury indicates injury, burns, electric shock, and other injuries which do not require hospitalization or long-term treatment as an outpatient.
- \*3: Damage to property indicates damage extending to buildings, household effects, domestic livestock, and pets.

## WARNING

### Installation

- **Do not attempt to install the air conditioner yourself.**  
Ask your dealer or a contractor with specialized experience to install the air conditioner. Electric shocks and / or a fire may result if you attempt to install the air conditioner yourself and the air conditioner ends up not being installed perfectly.
- **Use only with the authorized air conditioner units.**  
Be absolutely sure to use only the authorized air conditioner units designated by the manufacturer. Also, ask a contractor with specialized experience to install them. Electric shocks and / or a fire may result if you attempt to install the parts yourself and the parts end up not being installed perfectly.

### Operation

- **Do not operate the buttons with wet hands.**  
Failure to heed this warning may result in electric shocks and / or trouble.
- **Do not get the control unit wet.**  
Take steps to avoid getting the control unit wet. Failure to heed this warning may result in electric shocks, a fire and / or trouble.
- **If trouble (such as the smell of burning) has occurred, stop operation and turn off the main power switch.**  
Allowing operation to continue while the trouble has not been remedied may cause electric shocks, a fire and / or trouble. Consult your dealer.

### Relocation

- **Do not undertake any repair work yourself.**  
Under no circumstances must you attempt to do any repair work yourself. Instead, consult your dealer or a contractor with specialized experience. Electric shocks and / or a fire may result if you attempt to do repair work yourself and this work ends up not being carried out perfectly.
- **Consult your dealer when the control unit is to be relocated and re-installed.**

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 **CAUTION**

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**Installation**

- **Do not install the remote controller unit where there are high levels of moisture, oils, grease or vibration.**  
Failure to heed this caution may cause trouble.
- **Do not install the remote controller unit direct sunlight or near a heat source.**  
Failure to heed this caution may cause malfunctioning.
- **Do not install the remote controller unit where there are sources of electro-magnetic noise.**  
Failure to heed this caution may cause unintended operation.

**Operation**


- **Do not drop the product or subject it to strong impact.**  
Failure to heed this caution may cause malfunctioning.
- 

## 2 Before Use

Operate the remote controller according to the following procedure when it is used for the first time or when the settings are changed. Pushing the [  ON/OFF] button starts running the air conditioning unit with the settings made on the remote controller from the next time.

**Preparation**

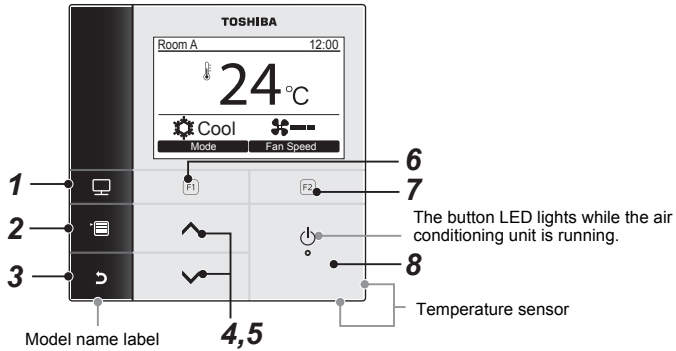
Turn on the circuit breaker.

- “ Setting” appears on the display of the remote controller when the power is turned on.
  - \* When the power is turned on, it takes about 5 minutes before the remote controller becomes operable. This is not a malfunction.
- **For initial settings, refer to “10. Initial setting” on page 34.**

**NOTE**



- Do not turn off the circuit breaker during the season using the air conditioning unit.
  - Turn on the circuit breaker 12 hours or more before starting running the air conditioning unit when the unit has not been used for an extended period of time.
-

# 3 Part Names and Functions



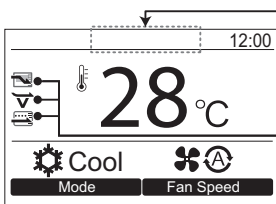
- 1** [ ] **MONITOR** button  
Displays the monitoring screen.  
(page 9)
- 2** [ ] **MENU** button  
Displays the menu screen.  
(page 10)
- 3** [ ] **CANCEL** button  
Functions as indicated on the screen, such as returning to the previous menu screen.  
(page 10)
- 4** [ ] **button**  
During normal operation: adjusts the temperature.  
On the menu screen: selects a menu item.  
(page 8)
- 5** [ ] **button**  
During normal operation: adjusts the temperature.  
On the menu screen: selects a menu item.  
(page 8)
- 6** [ ] **F1** button  
Varies its function according to the setting screen.  
(page 7)
- 7** [ ] **F2** button  
Varies its function according to the setting screen.  
(page 7)
- 8** [ ] **ON/OFF** button  
(page 7)

### Switching between the normal display and detailed display

Push and hold the [  CANCEL] button and [  MONITOR] button at the same time for more than 4 seconds to switch the display mode.

The normal display mode is selected as a factory default setting.

### Normal display mode (factory default)



(\*1)

#### Energy saving icon

- Displayed when performing the power saving operation of the air conditioner.

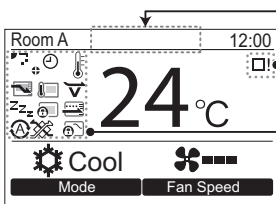
#### Soft cooling icon

- Shows the air conditioner is performing the soft cooling operation.

#### Saving icon



- Displayed when performing operation by suppressing excessive heating or excessive cooling through automatic correction of the temperature set point.

### Detailed display mode














(\*1)

Icons appear on the screen when the detailed display mode is selected.

- \*1 • The "  Preparing to heat" icon appears when the heating operation starts or when defrosting operation. The indoor fan stops or the operation becomes the blowing operation when it is displayed.  
 • It may be displayed depending on the model when "  Preparing to operate" is displayed.

### ▼ Icon list

	Shows the Energy saving operation is activated. (page 28)		Shows a timer function is activated. (page 19, 21)
	Shows the remote controller sensor is activated. (*2)		Shows the Louver lock is activated. (page 18)
	Shows the Night operation is activated. (page 25)		Shows the setting of the louver. (page 13, 14)
	Shows the central control device prohibits the use of the remote controller (page 42)		Shows the filter needs to be cleaned. (page 26, 43)
	Shows the saving operation is activated. (page 33)		Shows soft cooling is activated. (page 40)
			Shows operation switching control is in progress.

\*2 Normally the temperature sensor of the indoor unit senses the temperature. The temperature around the remote control can also be sensed. For details, contact the dealer where you purchased the air conditioner. \* Do not use the function when the air conditioner is controlled in a group.

▼ Ventilation icon list

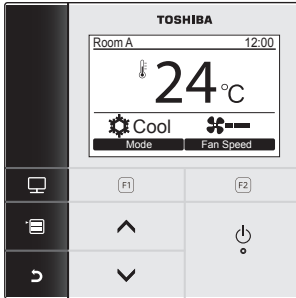
- Ventilation icons appear on the display only when a ventilation unit is connected.
- Refer to the Owner's Manual supplied with the Air to Air Heat Exchanger for details about the ventilation icons.

	Automatic mode		24-hour ventilation mode
	Bypass mode		Nighttime heat purge mode
	Total heat exchange mode		

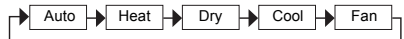
# 4 Operation

## ■ Running operation

\* Some operation modes are not available depending on the type of indoor unit.



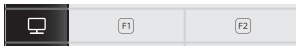
- 1 Push the [ ON/OFF ] button to start running.
- 2 Push the “ Mode” [ F1 ] button to select the operation mode.  
→ The operation mode changes as follows each time the button is pushed.



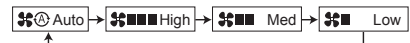
- 3 Push the [ ON/OFF ] button to stop running.

## ■ Changing the fan speed

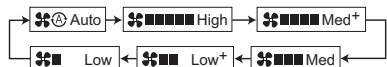
\* The available fan speeds vary depending on the indoor unit connected.



- 1 Push the “ Fan speed” [ F2 ] button to select the fan speed.  
→ The fan speed changes as follows each time the button is pushed.



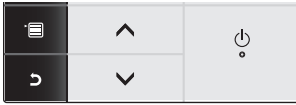
When the remote controller is used in combination with an indoor unit that supports 5 speeds, each push of the “ Fan speed” [ F2 ] button changes the fan speed display.



- “ ” appears on the display when the connected indoor unit is not equipped with the fan speed.
- “ ” is not available when “Fan” is selected as the operation mode.



## ■ Changing the temperature



### 1 Push the [ ] / [ ] button to adjust the temperature.

→ Push the [ ] button to raise the temperature setting, push the [ ] button to lower it.

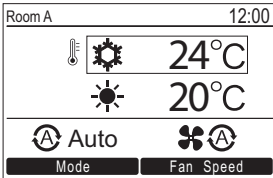
- Refer to "Set temp. range limit" for the temperature range available. (page 31)
- The temperature cannot be adjusted when "Fan" is selected as the operation mode.

### ▼ When dual automatic mode

In dual set point setting, the temperature set point of individual cooling and heating can be set to adjust the indoor temperature.

Thermo.OFF for temperature range between the temperature set points for cooling and heating.

If you wish to use the dual automatic mode, ask your dealer to set the setting.



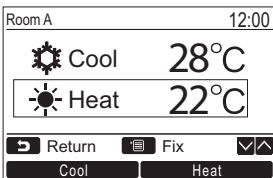
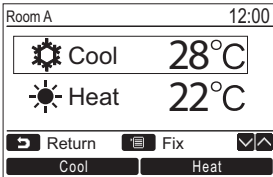
### 1 Push the [ ] / [ ] button to switch to the display shown on the left.

### 2 To set the cooling temperature set point, push [Cool] and adjust the setting with [ ] / [ ].

A box will surround [ Cool ] and [Temperature set point]. To set the heating temperature set point, push [Heat] and adjust the setting with [ ] / [ ]. A box will surround [ Heat ] and [Temperature set point].

→ Push [ MENU ] to confirm the settings and return to the normal display.

→ Push [ CANCEL ] to cancel the settings and return to the normal display.



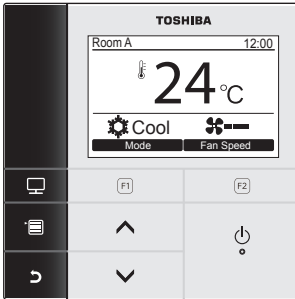
### NOTE

#### When connecting to an air conditioning control system which does not support dual set point

- The temperature set point, a value half the heating temperature and Cooling temperature set point will be displayed.
- When temperature setting has been changed by the unsupported controller, the cooling temperature set point and heating temperature set point displayed on the dual set point screen will be set automatically.
- For details, contact the dealer where you purchased the air conditioner.

## ■ Monitor screen

Check the current usage status.



- 1 Push [**MONITOR**] button.  
The monitor screen appears.
- 2 Push [**CANCEL**] button to return.

Monitor	
(1) Set temp.	24°C
(2) Indoor temp.	24°C
(3) Outdoor temp.	35°C
(4) Filter remaining hour	2500
(5) Total running hour	10480
Return	

- (1) Displays the set temperature.
- (2) Displays the temperature measured by the indoor temperature sensor of the indoor unit.  
If the sensor is set to that of the remote controller, the temperature measured by the remote controller sensor is displayed.
- (3) Displays the temperature measured by the TO ambient air sensor within the outdoor unit.
- (4) Displays the remaining time until the filter sign lights up.
- (5) Displays the accumulated operating time.

### NOTE

#### Total running hour

- The operating time is recorded on the remote controller.
- The time is not recorded during self clean operation or fan operation.

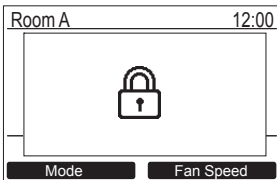
#### Temperature around the outdoor unit

- Displays the temperature around the vent of the outdoor unit.
- The displayed temperature may differ from the actual outdoor temperature.

#### Others

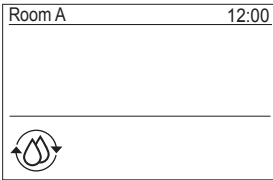
- The Header status appears during group connection.
- The screen returns to the previous display if no operation is performed for 60 seconds.

## Activating the key lock function



- Push and hold the [**CANCEL**] button for more than 4 seconds to activate the key lock function. Push and hold the [**CANCEL**] button for more than 4 seconds again to release the key lock.
- “**LOCK**” appears on the screen when the button set to be locked is pushed while the key lock function is activated.
- Select the buttons to be locked from “Key lock” in “10. Initial setting” on the menu screen. (page 36)

## Self clean operation (only for models equipped with the function)



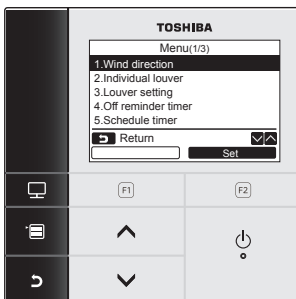
- The self clean operation is the function to dry inside the air conditioner after the “Auto” (cooling), “Cool”, or “Dry” operation so that the inside of air conditioner is kept clean.
- The self clean operation time differs depending on the time of the “Auto” (cooling), “Cool”, or “Dry” operation.

Time of the “Auto” (cooling), “Cool”, or “Dry” operation	self clean operation time
Less than 10 minutes	The self clean operation is not performed.
Between 10 minutes and 1 hour	1 hour*
1 hour or more	2 hours*

- \* These are approximate times. They differ depending on the type of indoor unit.
- Push the [ ON/OFF ] button twice to stop the self clean operation forcibly.
- “Self clean” appears on the screen while the self clean operation is in progress. The LED of the [ ON/OFF ] button turns off.
- Refer also to the Owner's Manual supplied with the indoor unit about the self clean operation.

## ■ Menu operation

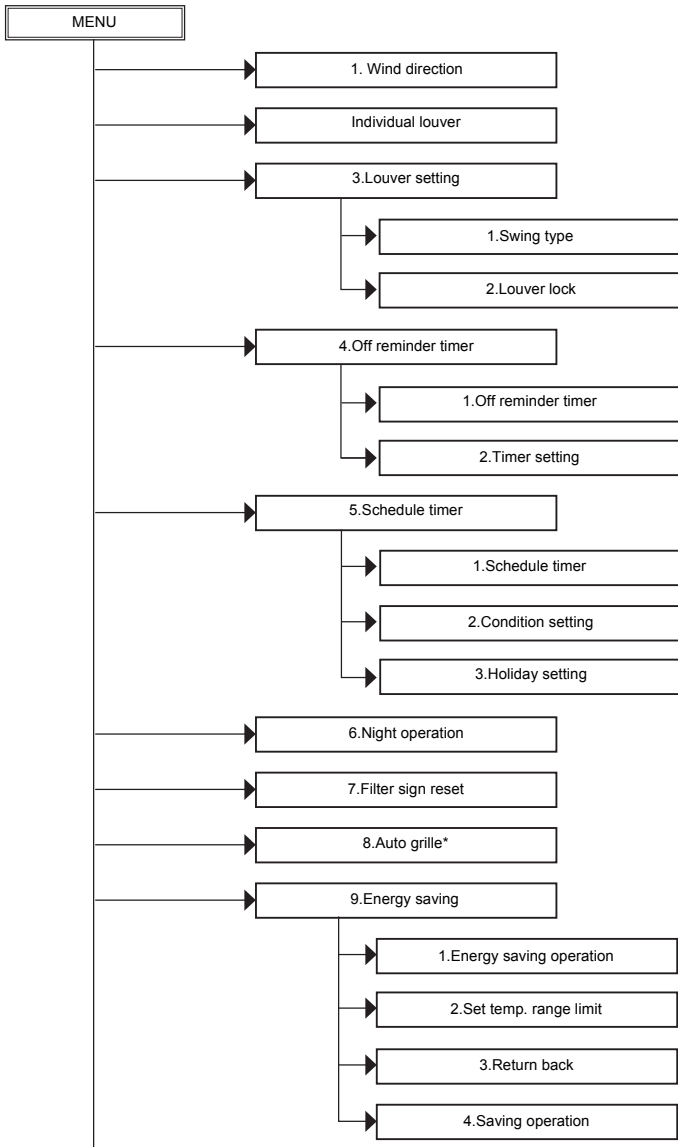
\* Refer to the next pages for details about the menu screen.

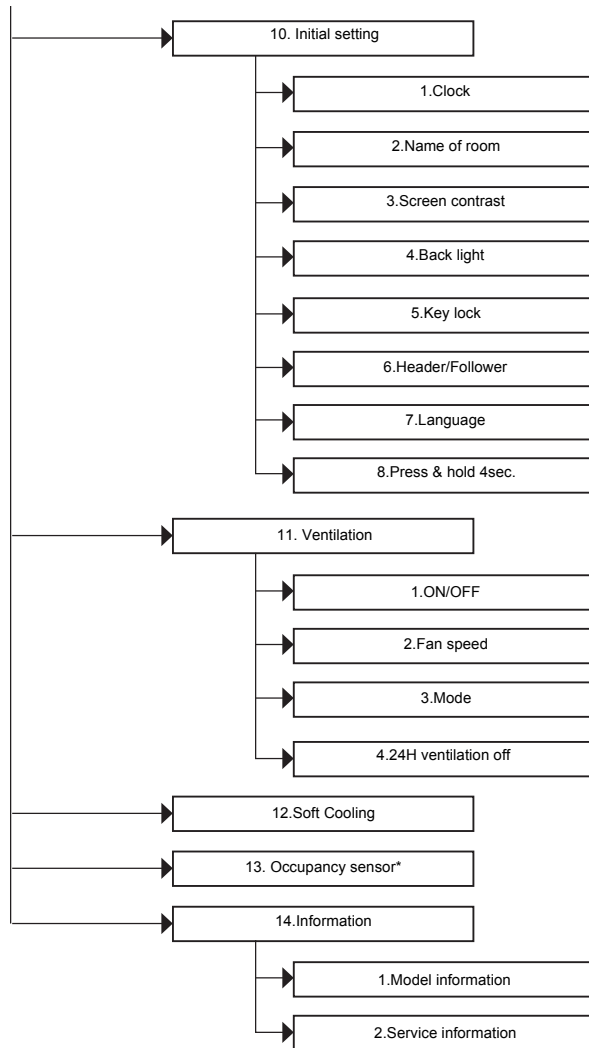


\* The menu screen returns to the normal / detailed display if no operation is performed for 60 seconds.

- 1 Push the [ MENU ] button.
- 2 Push the [ ] / [ ] button to select an item.  
→ The selected item is highlighted.
- 3 Push the “ Set ” [ F2 ] button.  
→ The setting screen appears.
- 4 (To undo)  
Push the [ CANCEL ] button to return.  
→ The screen returns to the previous screen.

# 5 Menu items





**NOTE**

\* "8.Auto grille" and "13.Occupancy sensor" cannot be set.  
 "⊖No function" appears when it is selected.

# 1. Wind Direction

## ■ Wind direction

\* Set the wind direction.

### ⚠ CAUTION

Refer to the instructions (for the wind direction adjustment) in the Owner's Manual supplied with the indoor unit before setting.

### Before setting



**1** Push the [ ] / [ ] button to select “1. Wind direction” on the menu screen, then push the “ Set” [ F2 ] button.

**2** Push the [ ] / [ ] button to select the wind direction.

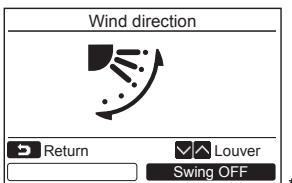


Operation mode	Available directions
Heat, Fan, Auto (heating)	(1)⇔(2)⇔(3)⇔(4)⇔(5)
Cool, Dry, Auto (cooling)	(1)⇔(2)⇔(3)

**3** Push the [ CANCEL ] button to return.  
→ The screen returns to the menu screen.

## ■ Turning on/off the louver swing

### To swing the louver

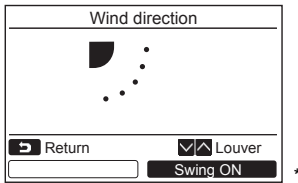


\* When the louver is stopped, “ Swing ON” is displayed.

**1** Push the “ Swing ON” [ F2 ] button on the “Wind direction” screen.  
→ Pushing the [ ] / [ ] button on the “Wind direction” screen while the louver swing is on stops swinging and sets the wind direction to (1).

**2** Push the [ CANCEL ] button.  
→ The screen returns to the menu screen.

## To stop the louver swing



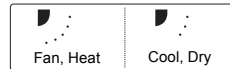
\* When the louver is swinging, "Swing OFF" is displayed.

### 1 Push the "Swing OFF" [F2] button on the "Wind direction" screen.

→ Push the "Swing OFF" [F2] button to stop swinging. The louver stops in the position where the button is pushed.

- The louver does not stop in the position (4) or (5) when the operation mode is "Cool" or "Dry". The louver stops in the position (3) even if the button is pushed when the louver is in the position (4) or (5)

Display when the louver swing is stopped



- Pushing [ ^ ^ ] / [ v v ] while the display when the louver swing is stopped appears on the screen sets the louver in the position (1).

### 2 Push the [CANCEL] button.

→ The screen returns to the menu screen.

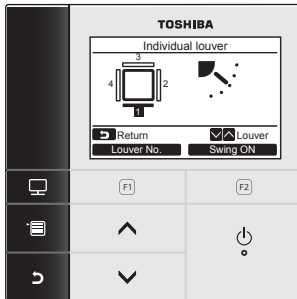
#### NOTE

- "No function" appears on the display for the models not equipped with the Wind direction setting.
- Refer to "14. Information ■ Group control". (page 42)
- " " appears on the display when the Louver lock function is used. (page 18)

## 2. Individual louver

### ■ Individual louver

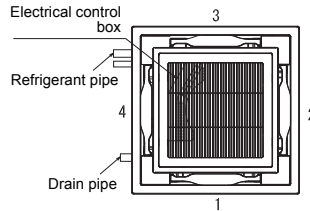
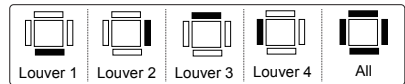
\* For 4-way cassette types, the wind direction and swing operation of each louver can be set individually.



**1** Push the [ ] / [ ] button to select “2.Individual louver” on the menu screen, push the “ Set” [ F2 ] button.

**2** Push the “ Louver No.” [ F1 ] button to select the louver to set.

→The display changes as follows each time the button is pushed.



**3** Push the [ ] / [ ] button to select the wind direction.

→Refer to “Wind direction” about how to set the wind direction. (page 13)

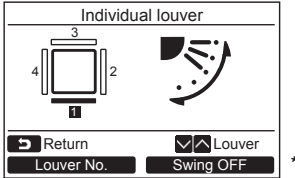
**4** Push the [ CANCEL ] button.

→The screen returns to the menu screen.



## ■ Turning on/off the louver swing

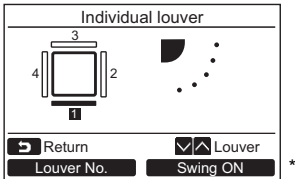
### To swing the louver



\* When the louver is stopped, "Swing ON" is displayed.

- 1 Push the "Swing ON" "Swing ON" [F2] button on the "Individual louver" screen.
- 2 Push the [CANCEL] button.  
→ The screen returns to the menu screen.

### To stop the louver swing



\* When the louver is swinging, "Swing OFF" is displayed.

- 1 Push the "Swing OFF" "Swing OFF" [F2] button on the "Individual louver" screen.
- 2 Push the [CANCEL] button.  
→ The screen returns to the menu screen.

#### NOTE

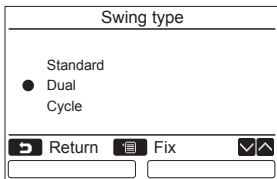
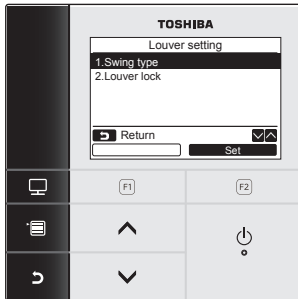
- "No function" appears on the display for the models not equipped with the Individual louver setting.
- Pushing [ ^ ] / [ ^ ] while the louver is swinging stops swinging and sets the louver in the position (1).
- Refer to "14. Information ■ Group control". (page 42)
- " " appears on the display when the Louver lock function is used. Individual louver setting is not available for the louver set to be locked. (page 18)

### 3. Louver setting

#### ■ Swing type

\* Select the louver swing type from the standard swing, dual swing or cyclic swing. Carry out the setting operation while the indoor unit is stopped. (Turn off the air conditioning unit before starting the setting operation.)

#### Before setting



**1** Push the [ ] / [ ] button to select “3.Louver setting” on the menu screen, then push the “ Set ” [ F2 ] button.

**2** Push the [ ] / [ ] button to select “1.Swing type”, then push the “ Set ” [ F2 ] button.

**3** Push the [ ] / [ ] button on the “Swing type” screen to select the swing type.

→ Refer to the Owner's Manual supplied with the indoor unit about the swing type.

**4** Push the [ MENU ] button.

→ “ Setting” appears on the display.

→ The unit selection screen appears when the group control is used. Push the [ CANCEL ] button on the unit selection screen to finish the setting operation. “ Setting” appears on the display.

#### NOTE

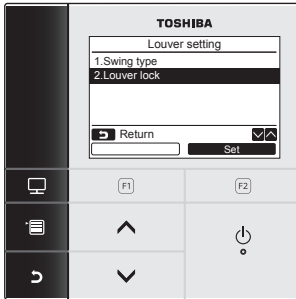
- “No function” appears on the display for the models not equipped with the Swing type setting.
- Push the [ CANCEL ] button to stop the setting procedure. No setting has been made and the screen returns to “Louver setting”.
- Refer to “14. Information ■ Group control”. (page 42)

## ■ Louver lock

\* The direction of the louver can be locked individually.

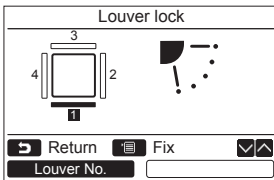
Carry out the setting operation while the indoor unit is stopped. (Turn off the air conditioning unit before starting the setting operation.)

### Before setting



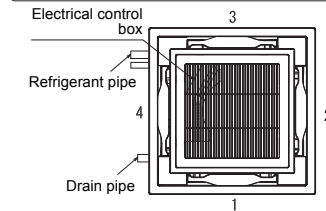
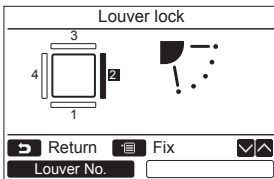
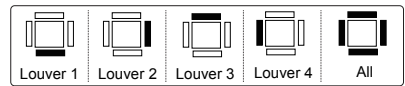
**1** Push the [ ] / [ ] button to select "3.Louver setting" on the menu screen, then push the " Set" [ F2] button.

**2** Push the [ ] / [ ] button to select "2.Louver lock", then push the " Set" [ F2] button.



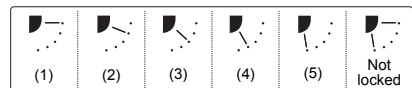
**3** Push the " Louver No." [ F1] button to select the louver to set.

→ The display changes as follows each time the button is pushed.



**4** Push the [ ] / [ ] button to select the louver (wind) direction.

→ Push the [ ] button to move the louver upward. Push the [ ] button to move it downward.









**5** Push the [ MENU] button.

→ " Setting" appears on the display.

→ The unit selection screen appears when the group control is used. Push the [ CANCEL] button on the unit selection screen to finish the setting operation. " Setting" appears on the display.

**NOTE**




- “No function” appears on the display for the models not equipped with the Louver lock setting.
- Push the [  CANCEL] button to stop the setting procedure. No setting has been made and the screen returns to “Louver setting”.
- “  ” appears on the display when the Louver lock function is used.
- Push the [   ] / [   ] button repeatedly to select the “Not locked” setting as the louver direction to release the lock.
- Condensation may occur if the louver is locked in the position (4) or (5) while cooling.
- Refer to “14. Information ■ Group control”. (page 42)

## 4. Off reminder timer

### ■ Off reminder timer

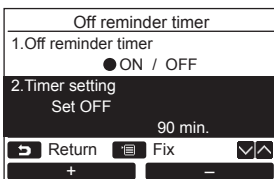
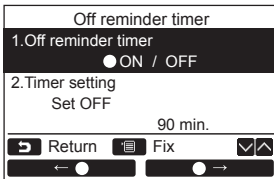
#### Before setting




















- 1 Push the [   ] / [   ] button to select “4. Off reminder timer” on the menu screen, then push the “  Set” [  F2] button.

#### Off reminder timer

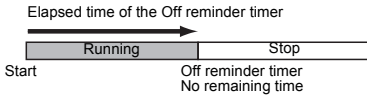
Set the length of time until the air conditioner stops automatically.




- 1 Push the [   ] / [   ] button to select “1. Off reminder timer”.
- 2 Push the “  ← ” [  F1] button.  
→ Push the “  → ” [  F2] button to turn off the Off reminder timer.
- 3 Push the [   ] / [   ] button to select “2. Timer setting”.
- 4 Push the “  + ” [  F1] / “  - ” [  F2] button to set the time.  
→ The time can be set at 10 minutes intervals.
- 5 Push the [  MENU] button.  
→ The screen returns to the menu screen.

**NOTE**

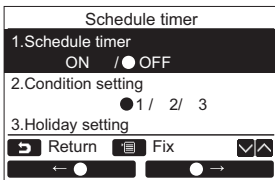
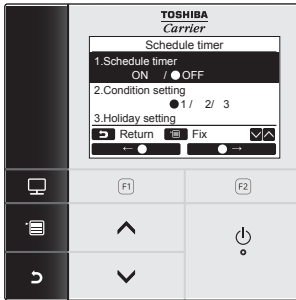
- The air conditioner stops running after the specified time has elapsed.



- "⏰" appears on the detailed display when the Off reminder timer is used.
- The Off reminder timer does not work in the following cases:
  - When the Off reminder timer is deactivated
  - When an error has occurred
  - While the test operation is in progress
  - While setting the functions
  - When the central control is used (when the run and stop operation is prohibited)
- The Off reminder timer cannot be set on the Follower remote controller when the dual remote controller system is used.
- The time of Off reminder timer can be set within the range from 30 minutes to 240 minutes.
- Push the [  CANCEL ] button to stop the setting procedure. No setting has been made and the screen returns to the menu screen.

## 5. Schedule timer

- \* Up to 8 different running patterns per day can be programmed with the schedule timer.
- Up to 3 patterns of settings that differ per day can be set.
- Days of the week when the schedule timer is not used can also be set in "Holiday setting".



**1** Push the [ ] / [ ] button to select "5.Schedule timer" on the menu screen, then push the " Set" [ F2 ] button.

**2.Condition setting**

Set the running condition of each day.

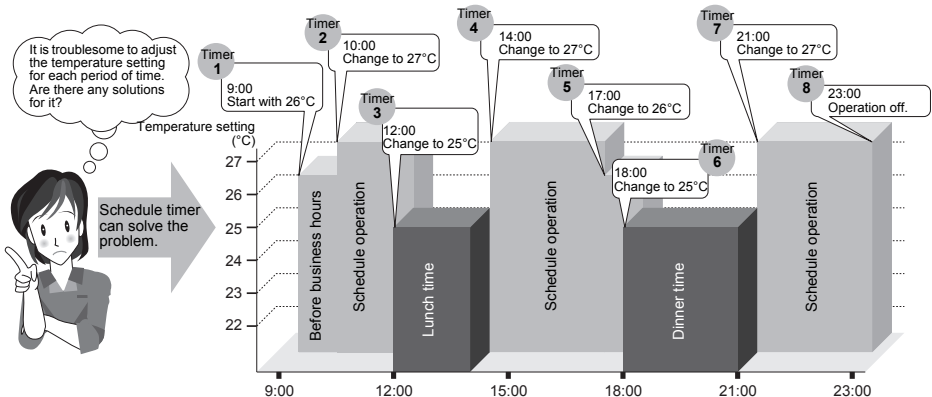
**3. Holiday setting**

Set the day when the schedule timer is not used.

**2** Push the [ ] / [ ] button to select "1. Schedule timer".

**3** Push the " ← ● " [ F1 ] button.  
→ Push the " ● → " [ F2 ] button to turn off the Schedule timer.

Up to 8 different settings for the run and stop operation and the temperature can be programmed.



It is troublesome to adjust the temperature setting for each period of time. Are there any solutions for it?



Schedule timer can solve the problem.

**NOTE**

- " " appears on the detailed display when the Schedule timer is used.
- The Schedule timer does not work in the following cases:
  - When the Schedule is deactivated
  - Days of the week when the Schedule timer is set not to work
  - When the clock display is blinking (the clock has not been adjusted)
  - When an error has occurred
  - While the test operation is in progress

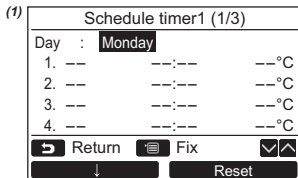
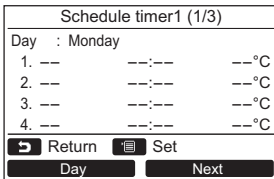
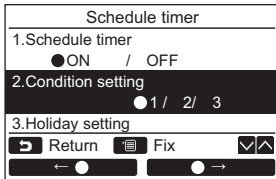
While setting the functions

When the central control is used (when the run and stop operation is prohibited)

- The Schedule timer cannot be set on the Follower remote controller when the dual remote controller system is used.
- Adjust the clock before setting the Schedule timer. (page 34)
- The time can be adjusted by the minute.
- The temperature can be set within the range from 18°C to 29°C. (The limited temperature range is applied if the Set temp. range limit function is activated.)
- The operation mode for the Schedule timer is the mode selected last time when the air conditioning unit was used.
- When dual automatic mode is used, "--", "ON", "OFF", and "Auto" can be selected for the operation mode.  
If dual automatic mode is selected in the schedule timer settings, select "Auto".  
If "ON" is selected and operation is started in automatic operation mode, the cooling temperature set point and heating temperature set point will be set automatically.
- The operation mode can be selected. For details, refer to "6. Setting timer operation mode" of "Field setting menu" in the Installation Manual.

## ■ Condition setting

\* Up to 8 different running patterns per day can be programmed.



**1** Push the [ ] button to select "2. Condition setting" on the "Schedule timer" screen.

**2** Push the " [ F1 ] / " [ F2 ] button to select one of 1/2/3, then push the [ MENU ] button.

→ Push the " Day" [ F1 ] button to confirm the settings for each day.

→ Push the " Next" [ F2 ] to confirm the current settings. 8 different settings appears.

→ Push the [ CANCEL ] button to return to the "Schedule timer" screen.

**3** Push the [ MENU ] button.

**4** Push the [ ] button to select the day to set, then push the " ↓" [ F1 ] button.

→ Push the [ CANCEL ] button to switch to the "Unconfirmed check" screen.

**5** Push the [ ] button to select "--", "ON", "OFF", "Auto".

→ Select "ON" to change the operation start time and the set temperature settings.

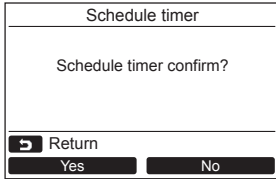
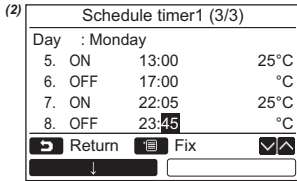
→ Select "OFF" to change the operation stop time setting.

→ "--" indicates that the item has not been set.

**6** Push " →" [ F2 ] to select time or temperature.

→ When "--" is displayed, time or temperature cannot be selected for that item.

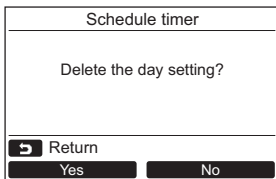
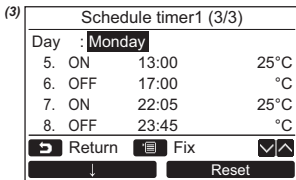
**7** Push the [ ] button to set time or temperature.



**NOTE**

- Do not duplicate the same day and time in a single schedule timer.

**To delete the settings for each day**



**8** Push the “ [F1]” button to program the next running pattern.

→Up to 8 different running patterns per day can be programmed.

**9** Push the [MENU] button.

→The screen returns to the day selection screen (1).

**10** Push the [▲ ▲] / [▼ ▼] button to select the day to set, (for programming the other days).

→Repeat the procedure from step 4 to 9 to program the running patterns for each day. (2)

**11** Push the [MENU] button.

→Push the “ Yes” [F1] button to confirm the programmed schedule.

→Push the “ No” [F2] button to return to the Schedule timer setting screen.

**12**To set Schedule timer2 and Schedule timer3, repeat steps 2 to 11.

**1** Push the “ Reset” [F2] button on the Schedule timer setting screen.

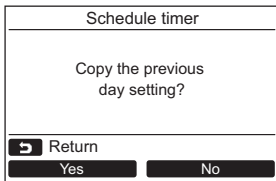
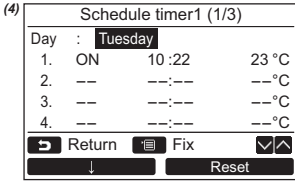
**2** Push the “ Yes” [F1] button.

→The schedule of the day selected is deleted.

→Push the “ No” [F2] button to return to the Schedule timer setting screen. (3)



## To copy the settings of the previous day



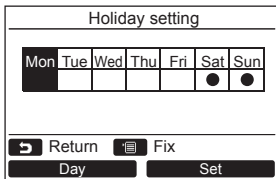
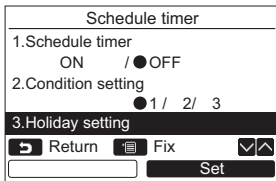
- 1 Push the [ MONITOR] button on the day selection screen.
- 2 Push the “ Yes” [ F1] button.  
→ The schedule of the previous day is copied.  
→ Push the “ No” [ F2] button to return to the Schedule timer setting screen. (4)

### NOTE

- Push the [ CANCEL] button to stop the setting. No setting has been made and the screen returns to the “Schedule timer” screen.
- “Auto” is displayed only when dual automatic mode is selected.

## ■ Holiday setting

\* Set the days of the week when the schedule timer is not used.



- 1 Push the [ ^ ^] / [ v v] button to select “3. Holiday setting” on the “Schedule timer” screen.
- 2 Push the “ Set” [ F2] button.
- 3 Push the “ Day” [ F1] button to select the day, then push the “ Set” [ F2] button to set.  
→ Push the “ Set” [ F2] button so that “●” is displayed on the day when the Schedule timer is not used.
- 4 Push the [ MENU] button.  
→ The screen returns to the “Schedule timer” screen.

### NOTE

- Operations other than the Schedule timer, such as operations on the remote controller or using the central control are available on the days set as “Holiday”.
- Push the [ CANCEL] button to stop the setting procedure. No setting has been made and the screen returns to the “Schedule timer” screen.

## 6. Night operation

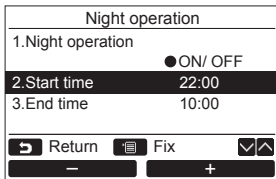
(Only for models equipped with the function)

Set the operation time that suppressing the operation sound of the outdoor unit is preferable such as nighttime.



- 1** Push the [ ] / [ ] button to select “6.Night operation” on the menu screen, then push the “ Set” [ F2] button.
- 2** Push the [ ] / [ ] button to select “1.Night operation” on the “Night operation” screen.
- 3** Push the “ ← ” [ F1] / “ → ” [ F2] button to select “ON” or “OFF”.  
→Select “ON” when the function is used.
- 4** Push the [ MENU] button.  
→Push the [ ] / [ ] button to select “2.Start time” or “3.End time” for setting the Night operation time

### To set the Night operation time




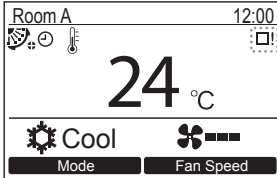
- 1** Push the [ ] / [ ] button to select “2.Start time” on the “Night operation” screen.
- 2** Push the “ - ” [ F1] / “ + ” [ F2] button to set the time.
- 3** Push the [ ] / [ ] button to select “3.End time”.
- 4** Push the “ - ” [ F1] / “ + ” [ F2] button to set the time.
- 5** Push the [ MENU] button.  
→The screen returns to the menu screen.

#### NOTE

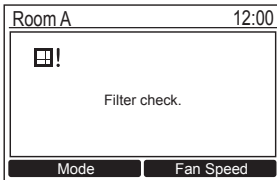
- The Night operation is not available for multi type air conditioning system. “No function” appears on the display.
- The 24-hour operation of Night operation is performed when the end time is the same as the start time.
- Cooling / heating performance may be reduced a little because the operation priority is put on the quietness for the Night operation.
- Adjust the clock before setting the Night operation. (page 34)
- “z<sub>z</sub>” appears on the detailed display when the Night operation is activated.
- The Night operation cannot be set on the Follower remote controller in the dual remote controller system. “No function” is displayed on the screen.


## 7. Filter sign reset

"!" (filter sign) appears on the detailed display (not displayed when it is in the normal display mode) to tell the time for cleaning the filter.

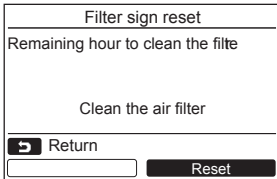


- Reset the filter sign after cleaning the filter. Refer to the Owner's Manual supplied with the indoor unit about how to clean the filter.



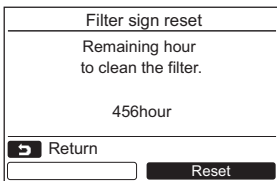
- "Filter check" is displayed on the screen if you start running the air conditioner when "!" (filter sign) appears on the detailed display. Push one of the operation buttons to erase the message or wait for more than 5 seconds until the message disappears.






### When the filter sign is displayed on the screen (To reset the filter sign)

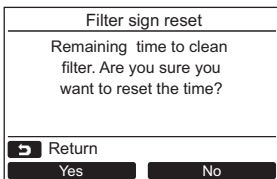









- 1 Push the [ / ] button to select "Filter sign reset" on the menu screen, then push the " Set" [ F2] button.
- 2 Push the " Reset" [ F2] button.

### When the filter sign is not displayed on the screen (To check the remaining time for filter cleaning)



- 1 Push the [ / ] button to select "Filter sign reset" on the menu screen, then push the " Set" [ F2] button.  
→ If you checked only the remaining time until the filter check, push the [ CANCEL] button to return to the menu screen.



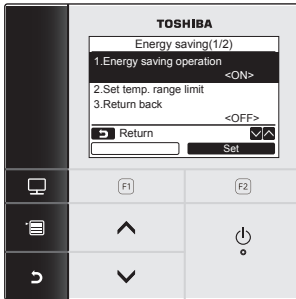
- 2 To reset the filter check remaining time, push the " Reset" [ F2] button, then push the " Yes" [ F1] button.  
→ Push the " No" [ F2] button to return to the "Filter sign reset" screen.  
→ Push the [ CANCEL] button to return to the "Filter sign reset" screen.

**NOTE**

- "Clean the air filter" or "Filter check" appears on the display when there is no remaining time for filter cleaning.
  - "☒!" (filter sign) appears on the detailed display. The sign is not displayed when the remote controller is in the normal display mode.
  - The remaining time for filter cleaning of the Header air conditioning unit is displayed when 2 or more indoor units are connected.
  - The remaining time for filter cleaning differs depending on the connected indoor unit.
-

## 9. Energy saving

Set for the energy saving operation: Energy saving operation, Set temp. range limit, Return back and Saving operation.



- 1 Push the [ ] / [ ] button to select "9. Energy saving" on the menu screen, then push the " Set" [ F2 ] button.
- 2 Push the [ ] / [ ] button to select the item to set.
- 3 Push the " Set" [ F2 ] button.

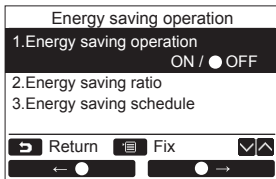
Item	Function
1. Energy saving operation	Perform the power saving operation of the air conditioner.
2. Set temp. range limit	Set the temperature range limit of the remote controller operation.
3. Return back	Set the function that changes the temperature back to the specified temperature automatically if the temperature has been changed on the remote controller.
4. Saving operation	Performs operation by suppressing excessive heating or excessive cooling through automatic correction of the temperature set point. * "No function" is displayed in the case of a model for which the saving operation cannot be set.

### CAUTION

Refer to the Owner's Manual supplied with the air conditioner about "Energy saving operation", "Saving operation".

## ■ Energy saving operation

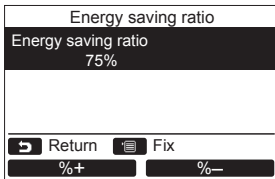
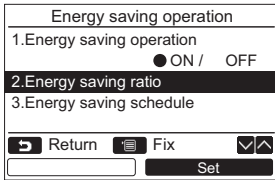
Set for the power saving operation of the air conditioner.



- 1 Push the [ ] / [ ] button to select "1. Energy saving operation" on the "Energy saving" screen.
- 2 To start the Energy saving operation:  
After setting "2. Energy saving ratio" and "3. Energy saving schedule", push the " ← •" [ F1 ] button to select "ON", then push the [ MENU ] button.  
To stop the Energy saving operation:  
Push the " • →" [ F2 ] button to select "OFF", then push the [ MENU ] button.

## Energy saving ratio

Carry out the setting operation while the indoor unit is stopped. (Turn off the air conditioning unit before starting the setting operation.)



**1** Push the [ ] / [ ] button to select “2. Energy saving ratio” on the “Energy saving operation” screen, then push the “ Set” [ F2] button.

**2** Push the “ %+” [ F1] / “ %-” [ F2] button to set the value.

→ The Energy saving ratio can be set within the range from 50% to 100% by 1%. The lower the value is set, the higher the power saving effect becomes.

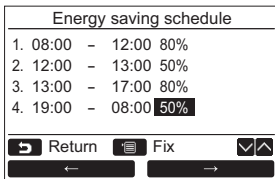
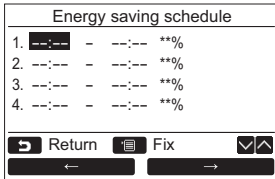
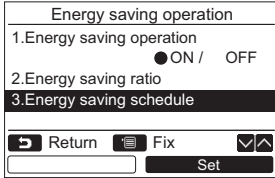
**3** Push the [ MENU] button.

→ “ Setting” appears on the screen, then the screen returns to the “Energy saving operation” screen.

### NOTE

- Cooling / heating performance may be reduced a little because its power is saved during the Energy saving operation.
- “” appears on the display when the Energy saving operation is activated.
- The Energy saving operation cannot be set on the Follower remote controller when the dual remote controller system is used.
- Adjust the clock before setting the Energy saving schedule operation. (page 34)
- The remote controller may not be used for setting the Energy saving operation depending on the settings of the central control remote controller or the outdoor unit.
- The Energy saving schedule operation is not available when the clock display is blinking (the clock has not been adjusted).

## Energy saving schedule



- 1 Push the [ ] / [ ] button to select “3. Energy saving schedule” on the “Energy saving operation” screen, then push the “ Set” [ F2] button.

→The “Clock” setting screen appears if the clock has not been adjusted. (page 34)

- 2 Push the [ ] / [ ] button to set the time and energy saving ratio.

→Push the “ ←” [ F1] / “ →” [ F2] button to set the value.

- 3 Push the [ MENU] button.

→The screen returns to the “Energy saving operation” screen.

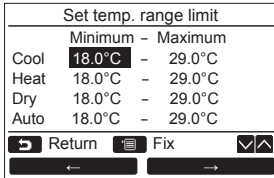
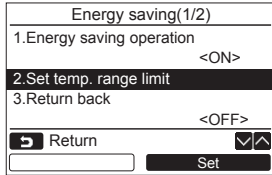
### NOTE

- The time of the schedule setting for the Energy saving operation can be set within the range from 0:00 to 23:50 at 10 minute intervals.
- The save ratio of the schedule setting for the Energy saving operation can be selected only from “random (\*1)”, “50%”, or “0%”.
- Adjust the clock before setting the Energy saving schedule. (page 34)
- The lower save ratio is applied when the different save ratios are set at the same hours on the schedule.

\*1: Random is the value set at “Energy saving ratio”.

## ■ Set temp. range limit

Set the temperature range for each operation mode.



**1** Push the [ ] / [ ] button to select “2. Set temp. range limit” on the “Energy saving” screen, then push the “ Set” [ F2] button.

**2** Push the [ ] / [ ] button to set the temperature.

→ Push the “ ←” [ F1] / “ →” [ F2] button to set the value.

**3** Push the [ MENU] button.

→ The screen returns to the “Energy saving” screen.

### When an error occurs during setting

“Error” appears on the display when the [ MENU] button is pushed under either condition:

- 1) the upper limit value falls below the lower limit
- 2) the lower limit value exceeds the upper limit

Push the [ CANCEL] button to erase the error message or wait for 10 seconds until the message disappears. The screen returns to the “Set temp. range limit” screen.

### Priority for the Set temp. range limit function

Set the same settings for the Set temp. range limit on each remote controller when the dual remote controller system is used.

### NOTE

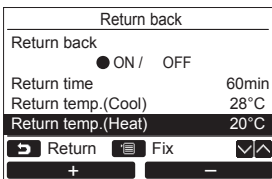
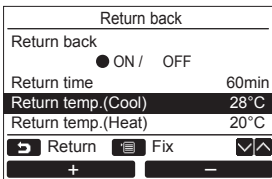
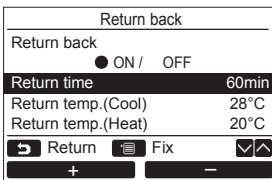
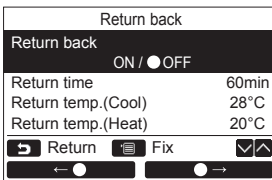
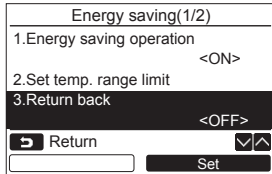
The operation at the temperature beyond the temperature range may be performed in the following cases:

1. In case that the different values of temperature are set on each remote controller when the dual remote controller system is used.
2. In case that the temperature beyond the temperature range is set on the central control remote controller and the wireless remote controller.



## Return back

The temperature setting returns back to the specified temperature automatically if the temperature has been changed on the remote controller. The time and temperature to return can be set.



**1** Push the [ ] / [ ] button to select “3. Return back” on the “Energy saving” screen, then push the “ Set” [ F2] button.

**2** Push the [ ] / [ ] button to select “Return back”.

**3** Push the “ ← •” [ F1] button to select “ON”.  
→Select “OFF” when the function is not used.

**4** Push the [ ] / [ ] button to select “Return time”, then push the “ +” [ F1] / “ -” [ F2] button to set the time.  
→The time can be set within the range from 10 minutes to 120 minutes at 10 minute intervals.

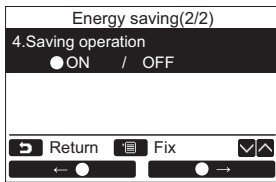
**5** Push the [ ] / [ ] button to select “Return temp (Cool)” or “Return temp (Heat)”, then push the “ +” [ F1] / “ -” [ F2] button to set the temperature.

**6** Push the [ MENU] button.  
→The screen returns to the “Energy saving” screen.

### NOTE

The Return back function cannot be set on the Follower remote controller in the dual remote controller system.

## ■ Saving operation



**1** Push the [ ] / [ ] button to select “4. Saving operation” on the “Energy saving setting” screen, then push the “ Set ” [ F2 ] button.

**2** To set the saving operation, push the “ ● ” [ F1 ] button to select “ON”.

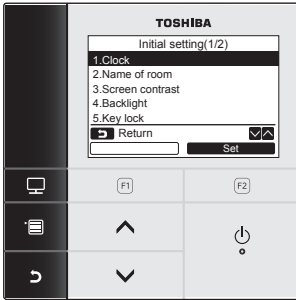
**3** Push the [ MENU ] button.  
→ The screen returns to the “Energy saving” screen.

### NOTE

- The saving operation is performed by determining a comfortable state within the room from data such as the average room temperature, air speed, and outdoor temperature for the past 20 minutes and then automatically correcting the temperature set point within a range in which there will be no significant variation in the level of comfort.
- The temperature ranges for automatic correction are +1.5°C to -1.0°C when cooling and -1.5°C to +1.0°C when heating. The temperature set point indication on the remote controller does not change.
- “ ” is displayed on the remote controller display screen during the saving operation.
- The saving operation is performed when Auto (cooling/heating automatic operation), cooling operation, and heating operation. The saving operation may not be possible depending on the indoor unit that is connected.
- The saving operation cannot be set on the Follower remote controller when a dual remote controller system is used.

# 10. Initial setting

Set the initial setting of the remote controller.



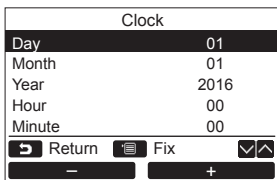
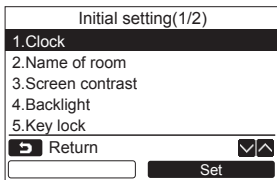
- 1 Push the [ ] / [ ] button to select “10. Initial setting” on the menu screen, then push the “ Set” [ F2 ] button.
- 2 Push the [ ] / [ ] button to select the item to set.
- 3 Push the “ Set” [ F2 ] button.

## Initial setting items

Item	Function
1. Clock	Settings for the clock (Year, Month, Day, time)
2. Name of room	Refer to the Owner's Manual supplied with the remote controller.
3. Screen contrast	Contrast adjustment of the LCD
4. Back light	Turning on / off the back light of the LCD
5. Key lock	Prohibiting the button operations
6. Header / Follower	Refer to the Owner's Manual supplied with the remote controller.
7. Language	Setting for the language displayed on the remote controller.
8. Press & hold 4sec.	Setting for the “press and hold” operation for the [  ON / OFF ] key.

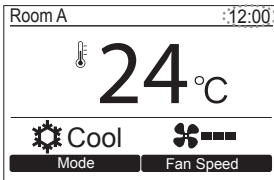
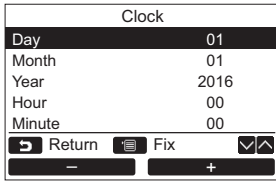
## ■ Clock

Set the Year, Month, Day, and time.



- 1 Push the [ ] / [ ] button to select “1. Clock” on the “Initial setting” screen, then push the “ Set” [ F2 ] button.
- 2 Push the [ ] / [ ] button to select the Year, Month, Day, and time.  
→ Push the “ - ” [ F1 ] / “ + ” [ F2 ] button to set the value.
- 3 Push the [ MENU ] button.

## To adjust the clock



**1** Push the [▲ ▲] / [▼ ▼] button to select “1. Clock” on the “Initial setting” screen, then push the “Set” [F2] button.

**2** Push the [▲ ▲] / [▼ ▼] button to select the Year, Month, Day, and time.

→ Push the “-” [F1] / “+” [F2] button to set the value.

**3** Push the [MENU] button.

→ The screen returns to the “Initial setting” screen.

The clock display appears on the upper right of the screen.

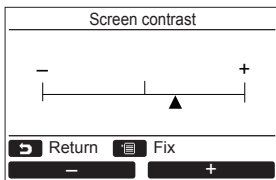
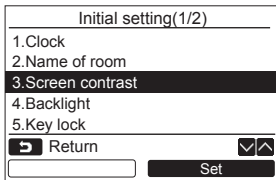
- The clock display blinks if the clock setting has been reset due to power failure or other cause.

### NOTE

The available date range is from January 1<sup>st</sup>, 2016 to December 31<sup>st</sup>, 2099.

## ■ Screen contrast

Adjust the contrast of the LCD.



**1** Push the [▲ ▲] / [▼ ▼] button to select “3.Screen contrast” on the “Initial setting” screen, then push the “Set” [F2] button.

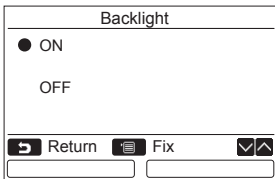
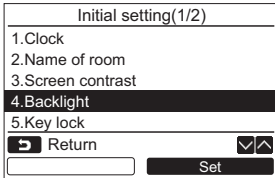
**2** Push the “-” [F1] / “+” [F2] button to adjust.

**3** Push the [MENU] button.

→ The screen returns to the “Initial setting” screen.

## ■ Backlight

Turn on or off the backlight of the LCD.



**1** Push the [ ] / [ ] button to select “4.Backlight” on the “Initial setting” screen, then push the “ Set” [ F2] button.

**2** Push the [ ] / [ ] button to select “ON” or “OFF”.

**3** Push the [ MENU] button.

→When “ON” is selected, the back light is turned on during operating with the remote controller.

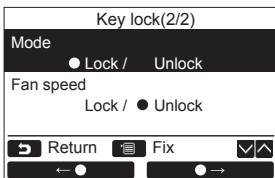
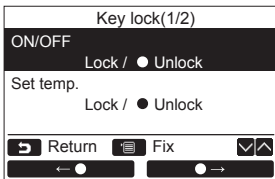
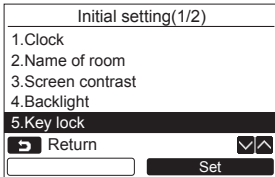
→When “OFF” is selected, the back light is not turned on.

### NOTE

- The back light of the LCD is turned on as a factory default.
- The back light is on for a predetermined time after button operation.

## ■ Key lock

Select whether to lock / unlock [ON / OFF], [], [MODE](F1) and [FAN SPEED](F2).



**1** Push the [ ] / [ ] button to select “5 Key lock” on the “Initial setting” screen, then push the “ Set” [ F2] button.

**2** Push the [ ] / [ ] button to select a key to lock / unlock.

**3** Push the “ ← ●” [ F1] button to select “Lock”, or “ ● →” [ F2] button to select “Unlock”.

**4** Push the [ MENU] button.

→When “Lock” is selected, the key cannot be used during key lock.

When “Unlock” is selected, the key can be used even during key lock.

→All keys are unlocked while “Check” is displayed.

→For the key lock setting, refer to the owner's manual. (Refer to “Activating the key lock function” on page 9.)

→The factory default is “Lock”.

## ■ Language

Select a language for the screen text.

Initial setting(2/2)	
6.Header/Follower	
7.Language	
8.Press & hold 4 sec.	
Return	
<input type="text"/>	<input type="text"/> Set

**1** Push the [ ^ ^]/[ v v] button to select “7.Language” on the “Initial setting” screen, then push the “ Set” [F2] button.

**2** Push the [ ^ ^]/[ v v] button to select the language.

**3** Push the [ MENU] button.  
→The screen returns to the “Initial setting” screen.

These two screens appear for RBC-AMS54E-EN.

Language(1/2)	
● English	
Italian	Italiano
Greek	Ελληνικό
Russian	Русский
Turkish	Türk
Return	Fix
<input type="text"/>	<input type="text"/>


Language(2/2)	
● Polish      Polski	
Return	Fix
<input type="text"/>	<input type="text"/>



These two screens appear for RBC-AMS54E-ES.




Language(1/2)	
● English	
French	Français
German	Deutsch
Spanish	Español
Portuguese	Português
Return	Fix
<input type="text"/>	<input type="text"/>







Language(2/2)	
● Dutch      Nederlands	
Return	Fix
<input type="text"/>	<input type="text"/>



## ■ Press & hold 4sec.

Set the “press and hold 4 sec.” operation for the [  ON / OFF] button.


Initial setting(2/2)	
6.Header/Follower	
7.Language	
8.Press & hold 4 sec.	
<div style="display: flex; justify-content: space-between; align-items: center;"> <span> Return</span> <span></span> </div>	
<input type="text"/>	<input type="button" value="Set"/>


Press & hold 4sec.	
<input checked="" type="radio"/> ON	
<input type="radio"/> OFF	
<div style="display: flex; justify-content: space-between; align-items: center;"> <span> Return</span> <span> Fix</span> <span></span> </div>	
<input type="text"/>	<input type="text"/>

**1** Push the [   ] / [   ] button to select “8.Press & hold 4sec.” on the “Initial setting” screen, then push the “ Set” [  F2] button.

**2** Push the [   ] button to select “ON” or “OFF”.

**3** Push the [  MENU] button.

→When “ON” is selected, the air-conditioner starts / stops running when the [  ON / OFF] button is pressed and hold 4 seconds.

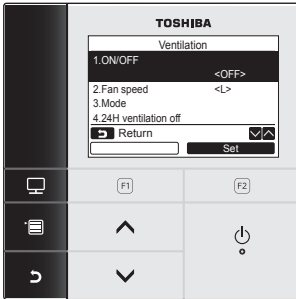
→When “OFF” is selected, the air-conditioner starts / stops running when the [  ON / OFF] button is pressed.

# 11. Ventilation

(Only for models equipped with the function)

## ■ Ventilation

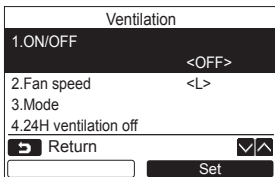
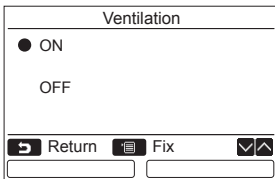
Set for the ventilation operation linked to the air conditioner.



- 1** Select “11. Ventilation” on the menu screen, then push the “**Set** **Set**” [F2] F2] button.
- 2** Push the [ **^** **^** ] / [ **v** **v** ] button to select the item to set.
- 3** Push the “**Set** **Set**” [F2] F2] button.

Item	Function
1. ON/OFF	The run and stop operation of ventilation
2. Fan speed	Setting of the fan speed
3. Mode	Setting of the ventilation mode
4. 24H ventilation off	Setting of 24H ventilation operation stop time.

## Operation



- 1** Push the [ **^** **^** ] / [ **v** **v** ] button to select “1. ON/OFF” on the “Ventilation” screen, then push the “**Set** **Set**” [F2] F2] button.
- 2** Push the [ **^** **^** ] / [ **v** **v** ] button to select “ON” or “OFF”.
- 3** Push the [ **MENU** ] button.  
→The screen returns to the “Ventilation setting” screen.

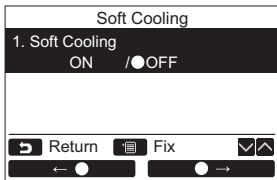


**NOTE**

- "Impossible" appears on the display when no ventilation unit is connected or the individual operation for the ventilation unit is not activated.
- "2. Fan speed" or "3. Mode", "4. 24H ventilation off" is available only for the air conditioning system using the Air to Air Heat Exchanger VN-M\*HE series. Refer to the Owner's Manual supplied with the Air to Air Heat Exchanger for details.
- "✎" appears on the detailed display during the ventilation operation when the ventilation unit other than the Air to Air Heat Exchanger VN-M\*HE series is used and the individual operation for the ventilation unit is activated.

## 12. Soft cooling setting

Soft cooling performs operation by limiting the operation range of the louver or suppressing the capacity to prevent discharge air fall down or excessive cooling.



- 1** Push the [ ] / [ ] button to select "12. Soft cooling setting" on the menu screen, then push the " Set" [ F2] button.
- 2** To set the soft cooling operation, push the " ← • " [ F1] button to select "ON".
- 3** Push the [ MENU] button.  
→ The screen returns to the menu screen.

**NOTE**

- The room may not be cooled properly because the Soft cooling operation performs operation by suppressing the capacity of the air conditioner.
- " " is displayed on the display screen during the Soft cooling operation.
- "No function" appears in the case of a model without the Soft cooling operation or a model that cannot perform the cooling operation.
- Only the function to suppress the capacity operates in the case of a model for which the wind direction cannot be set.

## 14. Information

### ■ Model information

Shows the model names and serial numbers.

Information	
1. Model information	
2. Service information	
Return	
	Set

**1** Push the [ ^ ^ ] / [ v v ] button to select "12. Information" on the menu screen, then push the "Set" [ F2 ] button.

**2** Push the [ ^ ^ ] / [ v v ] button to select "1. Model information", then push the "Set" [ F2 ] button.

1-1 Model information	
Indoor No.	001Z9999
Name	RAV-SM1104UT-E
Outdoor No.	001Z9999
Name	RAV-SM1104AT8-E
Return	

### ■ Service information

Check the contact number for service.

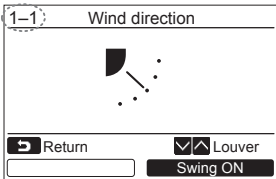
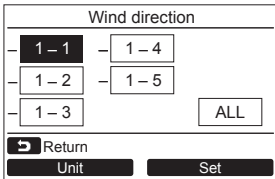
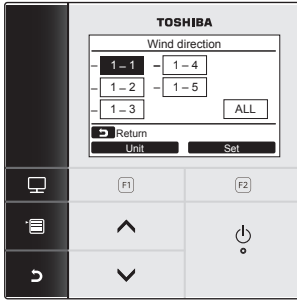
Information	
1. Model information	
2. Service information	
Return	
	Set

**1** Push the [ ^ ^ ] / [ v v ] button to select "2. Service information" on the "Information" screen, then push the "Set" [ F2 ] button.

## ■ Group control

The following functions can be set individually for each unit when the group control is used: "Wind direction", "Individual louver", "Swing type", "Louver lock"

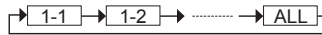
Operate the remote controller according to the procedure below before setting each function.



**1** Select the group-controlled function on the menu screen, then push the "Set" [F2] button.

**2** Push the "Unit" [F1] button to select the unit to set.

→ The selected unit changes as follows each time the button is pushed:



**3** Push the "Set" [F2] button.

→ The setting display for the selected unit appears.

**4** Push the [CANCEL] button.

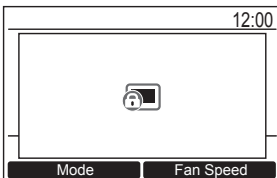
→ Pushing the [CANCEL] button returns to the previous screen.

→ Pushing the [CANCEL] button when setting "Swing type" or "Louver lock" shows "Setting" on the screen.

- The number (address) of the selected unit appears on the upper left of the screen, unless "All" is selected for the unit selection.
- "All" is not available for some settings.

## ■ When central control is performed

When an operation button that is a target of the operation lock is pushed while the operation lock is activated by central control, the following indication is displayed for 5 seconds.



Details of operation lock activated by central control

- The start and stop operations are prohibited.
- Changing the operation mode is prohibited.
- Changing the temperature set point is prohibited.
- Changing the fan speed is prohibited.

# 6 Maintenance

Turn off the power before maintenance.

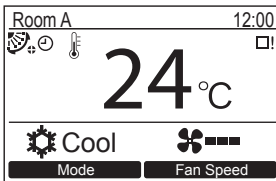


**Do not operate the unit with wet hands.**  
Doing so may result in electric shocks.

## ■ Daily maintenance

Wipe the remote controller with a dry, soft cloth. Using water to clean the remote controller may result in a malfunction.

## ■ Cleaning the air filter



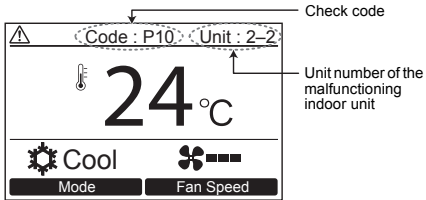
Clean the air filter when "❗" (filter sign) appears on the detailed display. (page 26)

("❗" is not displayed in the normal display mode.)

- Clogged air filter reduces the cooling or heating performance.

# 7 Troubleshooting

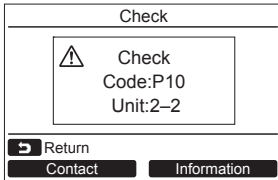
## ■ Confirmation and check



When an error has occurred in the air conditioner, the check code and the unit number of the indoor unit appear on the display of the remote controller.

\* The check code appears only while the unit is running.

Push the [MONITOR] button or [CANCEL] button to display the check information screen.



While the check information screen appears:

Push the "Contact" button [F1] to display the contact number for service.

Push the "Information" button [F2] to display the model name and serial number of the unit.





**TOSHIBA CARRIER CORPORATION**

**EH97068101**